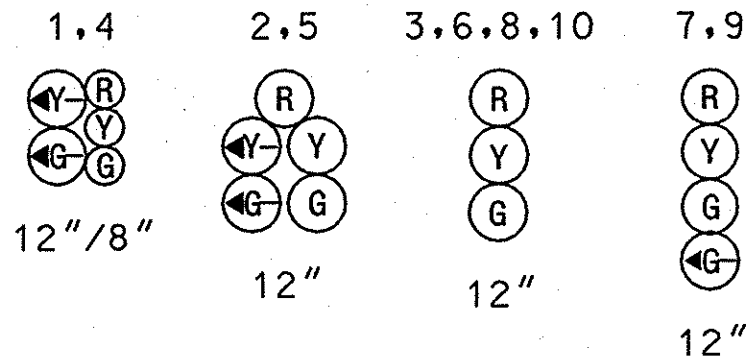


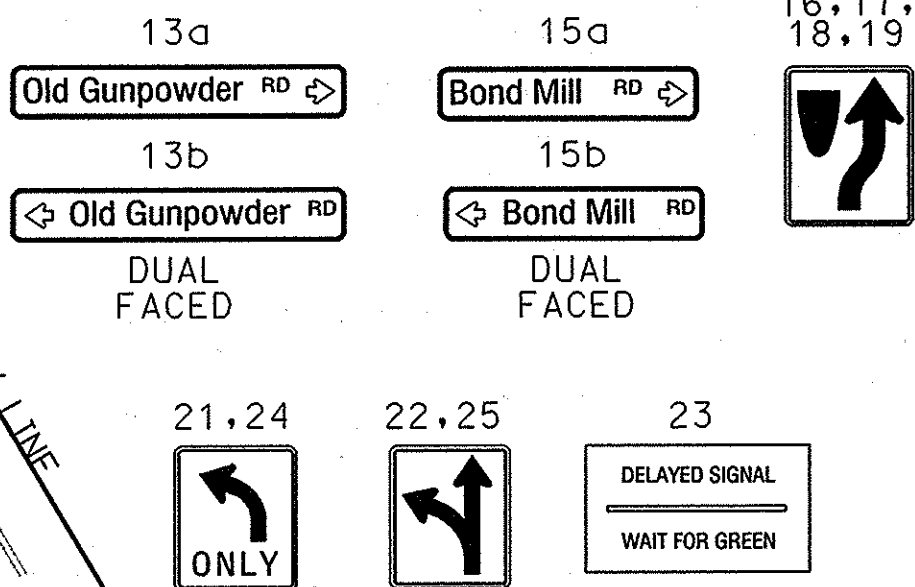
PROPOSED LED SIGNALS



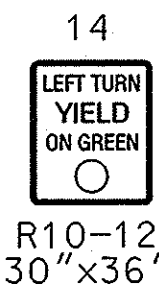
EXISTING SIGNALS TO REMAIN



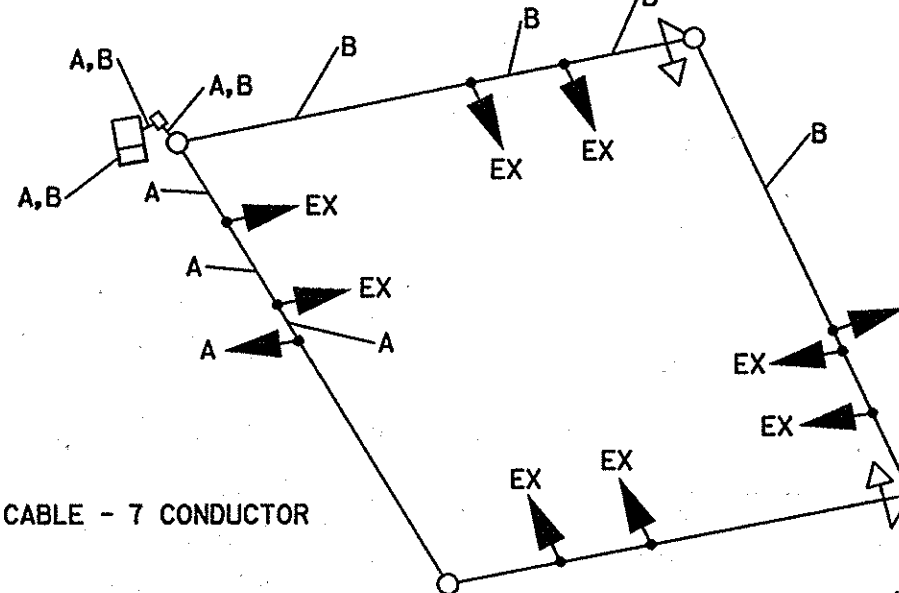
EXISTING SIGNALS TO REMAIN



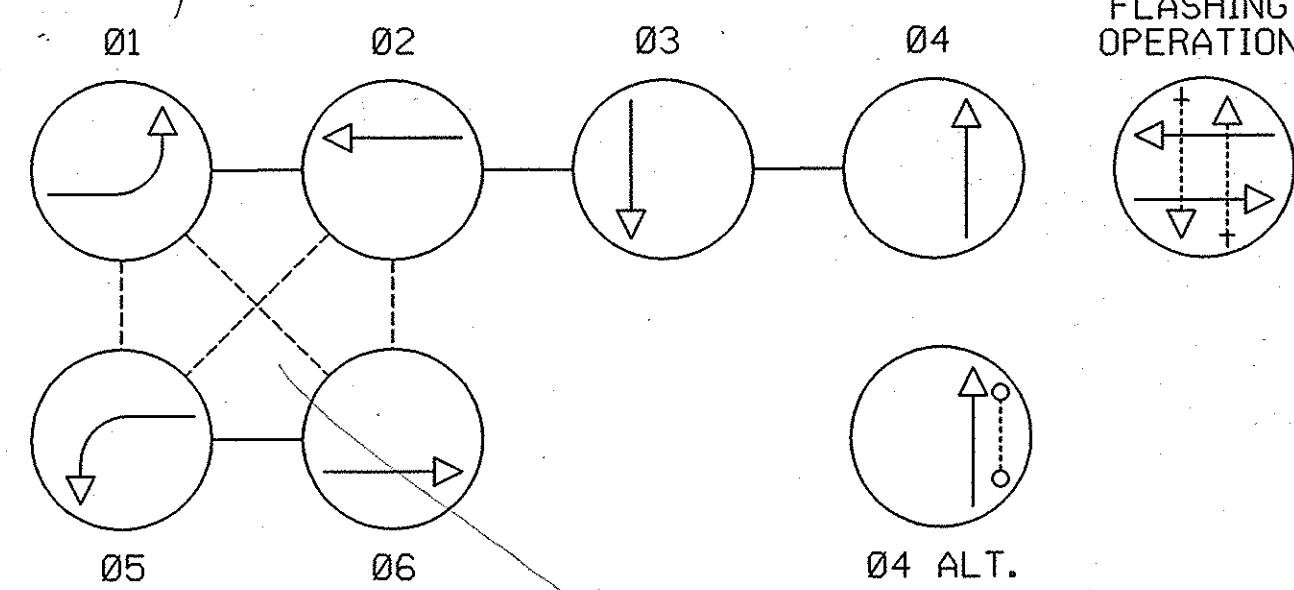
EXISTING SIGNAL TO BE REMOVED



WIRING DIAGRAM



NEMA PHASING



NOTE: PHASES ASSOCIATED BY A DASHED LINE WILL/WILL NOT OPERATE CONCURRENTLY. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.

PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES THE INSTALLATION OF LED VEHICULAR SIGNAL HEADS ON ALL APPROACHES AND NEAR-SIDE LED VEHICULAR SIGNAL HEADS ON MD 198 AT THE INTERSECTION OF MD 198 AND OLD GUNPOWDER ROAD/BOND MILL ROAD IN PRINCE GEORGE'S COUNTY. MD 198 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION WILL CONTINUE TO OPERATE IN A NEMA SIX-PHASE, FULL TRAFFIC-ACTUATED MODE WITH EXCLUSIVE/PERMISSIVE LEFT-TURN PHASING FOR EAST AND WESTBOUND TRAFFIC AND SIDE STREET SPLIT PHASING. AN ALTERNATE PEDESTRIAN PHASE IS PROVIDED ACROSS THE EAST LEG.

CONTROLLER REQUIREMENTS

THE EXISTING BASE MOUNTED CABINET, CONTROLLER AND ASSOCIATED HARNESSES SHALL REMAIN.

THE CONTACT PERSONS FOR DISTRICT #3 / OOTS ARE AS FOLLOWS:

District #3

Mr. Brian Young
Assistant District Engineer - Traffic
Phone: 301-513-7404

Mr. Augie Reblish
District Utility Engineer
Phone: 301-513-7350

Mr. Wayne Mowdy
Assistant District Engineer - Maintenance
Phone: 301-513-7304

Mr. Kevin Nowak
Assistant District Engineer - Construction
Phone: 301-513-7385

Office of Traffic & Safety

Mr. Richard L. Daff Sr.
Chief, Traffic Operations Division
Phone: 410-787-7630

Mr. Robert Snyder
Assistant Division Chief, Traffic Operations
410-787-7630

Mr. Edward Rodenhizer
Team Leader Signal Operations
Phone: 410-787-7650

Mr. Eugene Bailey
Team Leader Sign Operations
410-787-7670

The Power Company Representative is:
Baltimore Gas & Electric
7317 Parkway Drive South
Hanover, MD 21076
Phone: 410-859-9062

TOD NO: XX339-01
SHA NO: PG713A51/B51
MD 198@ OLD GUNPOWDER
RD/BOND MILL RD



STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 198 (SANDY SPRING ROAD) AT
OLD GUNPOWDER ROAD/BOND MILL ROAD

GENERAL NOTES

1. MAINTENANCE OF TRAFFIC WILL BE HANDLED BY THE CONTRACTOR UTILIZING MDSA STANDARD TYPICALS FOR TRAFFIC CONTROL.
2. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE SIGNAL MODIFICATION.

CONSTRUCTION DETAILS

- A. REMOVE EXISTING VEHICULAR SIGNAL HEAD AND INSTALL NEW LED VEHICULAR SIGNAL HEAD IN SAME LOCATION. USE EXISTING WIRING.
- B. INSTALL NEW LED VEHICULAR TRAFFIC SIGNAL HEAD.
- C. USE EXISTING SPAN WIRE.
- D. USE EXISTING STRAIN POLE.
- E. USE EXISTING CONDUIT.
- F. USE EXISTING HANDHOLE.
- G. USE EXISTING BASE MOUNTED CABINET.
- H. REMOVE EXISTING OVERHEAD SIGN.

EQUIPMENT LIST 'A'

EQUIPMENT TO BE FURNISHED BY STATE HIGHWAY ADMINISTRATION

ITEM NO.	QUANTITY	DESCRIPTION
NONE		

EQUIPMENT LIST 'B'

EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR.

ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EA	MAINTENANCE OF TRAFFIC PER ASSIGNMENT
8001	34 EA	12 INCH LED SIGNAL HEAD SECTION
8003	6 EA	8 INCH LED SIGNAL HEAD SECTION
8008	1 EA	REMOVE AND DISPOSE OF MATERIAL AND EQUIPMENT
8020	250 LF	ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 AWG)

EQUIPMENT LIST 'C'

EQUIPMENT TO BE REMOVED AND RETURNED TO SHA

ITEM NO.	QUANTITY	DESCRIPTION
NONE		ALL REMOVED EQUIPMENT SHALL BECOME THE PROPERTY OF THE CONTRACTOR

UTILITY LEGEND

— E — E —	ELECTRIC CABLES	— SD — SD —	STORM DRAIN
— A — A —	AERIAL CABLES	— G — G —	GAS MAIN
— T — T —	TELEPHONE CABLES	— W — W —	WATER MAIN
— F — F —	FIBER-OPTIC	— S — S —	SEWER MAIN

APPROVALS	REVISIONS
TEAM LEADER	1. INSTALL LED SIGNALS ON ALL APPROACHES AND NEAR-SIDE SIGNALS ON MD 198 SHA NO. XX339-01
ASST. DIV. CHIEF	2. NEW INTERSECTION LIGHTING SHA NO. XX339-01
DIVISION CHIEF	3. REPLACED DAMAGED POLE SHA NO. XX339-01
OFFICE DIRECTOR	4. RLS DJD

TRAFFIC SIGNALIZATION PLAN

SCALE 1" = 30'	ADVERTISED DATE 8/9/01	CONTRACT NO. PG438A51
DESIGNED BY	COUNTY PRINCE GEORGE'S	
DRAWN BY Thomas Zaydel	LOGMILE 1.01980024	
CHECKED BY	TIMS NO 1817	
F.A.P. NO.	TOD NO	
TS NO. 1376H	DRAWING SG-01 OF 01	SHEET NO. 1 OF 1

PLOTTED: Tuesday, April 22, 2008 AT 01:08 PM
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